## **CLAIMS**

1. A curing resin composition containing
a siloxane oligomer (A) having an average molecular weight of 500
to 10000 in terms of ethylene glycol and
a fluorine compound (B) having a fluoroalkyl structure and a
polysiloxane structure and having a number average molecular
weight of 5000 or more in terms of polystyrene.

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- The curing resin composition according to claim 1,
   wherein a fluorine atom content in the curing resin composition is
   20 wt % or more.
- 3. The curing resin composition according to claim 1 or 2, further containing a crosslinking compound.
  - 4. The curing resin composition according to any of claims1 to 3, further containing an acid generating agent.
- 5. A cured film obtained by curing a curing resin composition according to any of claims 1 to 4.
  - 6. The cured film according to claim 5, wherein a ratio
    (Si/F) of a peak intensity of a silicon atom (Si) to a peak intensity
    of a fluorine atom (F) on a surface of the cured film as measured

with an X-ray photoelectron spectroscopic method is in the range of from 0.4 to 2.

- 7. An antireflection film comprising a hard coat layer formed on one surface of a transparent substrate directly or with another layer interposed there between and an antireflection layer laminated on a surface of the hard coat layer, wherein the antireflection layer is constituted of a cured film according to claim 5 or 6.
- 8. The antireflection film according to claim 7, wherein a surface of the hard coat layer has irregularity of protrusions and depressions combined and an antiglareness.
  - 9. An optical element on one surface or both surfaces of which an antireflection film or antireflection films according to claim 7 or 8 are provided.

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10. An image display to which an antireflection filmaccording to claim 7 or 8 or the optical element according to claim9 is mounted.